



SHARP®

MODEL

LC-24LE430X LC-32LE430X

LCD COLOUR TELEVISION

OPERATION MANUAL

AQUOS



HDMI



Only for LC-24LE430X

SRS
TruSurround HD



DOLBY
DIGITAL

DivX™
HD

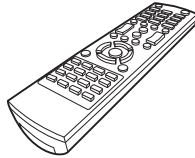




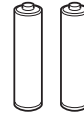


Supplied accessories

Remote control unit



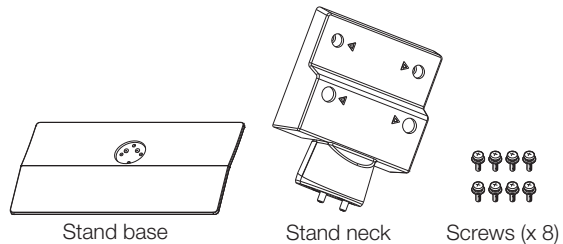
"AAA" size battery (× 2)



Operation manual



Stand unit



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Dear SHARP customer

Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.



Important Safety Precautions

- **Cleaning** — Unplug the AC cord from the AC outlet before cleaning the product. Use a soft damp cloth to clean the product. Do not use liquid cleaners, aerosol cleaners or chemical cloth to clean it, as such materials may damage the product.
- **Water and moisture** — Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.
- **Do not place vases or any other water-filled containers on this product.**
The water may spill onto the product causing fire or electric shock.
- **Stand** — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
- **When relocating the product placed on a cart, it must be moved with utmost care.** Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.
- **Ventilation** — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- **The LCD panel used in this product is made of glass.** Therefore, it can break when the product is struck forcefully or with a sharp object. If the LCD panel is broken, be careful not to be injured by broken glass.
- **Heat sources** — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
- **To prevent fire, never place any type of candle or naked flames on the top or near the TV set.**
- **To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.**
- **Do not place heavy objects on this product or stand on it.** Doing so could cause injury if the product overturns. Take special care near children and pets.
- **The LCD panel is a very high technology product with 1,049,088 (only for LC-32LE430X)/2,073,600 (only for LC-24LE430X) pixels, giving you fine picture details.**
Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.
This is within product specifications and does not constitute a fault.
- **Precautions when transporting the TV**
When transporting the TV, never carry it by holding or otherwise putting pressure onto the display. Be sure to always carry the TV by two people holding it with two hands — one hand on each side of the TV.
- **Do not display a still picture for a long time, as this could cause an afterimage to remain.**
- **Install the product on the place where the AC cord can be unplugged easily from the AC outlet, or from the AC INPUT terminal on the rear of the product.**

Important information

This product qualifies for ENERGY STAR when "Home" is selected for "TV location".
Setting "TV Location" to "Home" allows the TV to achieve an energy-saving status for household use.

Trademarks

- TruSurround HD, SRS and the  symbol are trademarks of SRS Labs, Inc.
TruSurround HD technology is incorporated under license from SRS Labs, Inc.
 - SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.
 - Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
 - "HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries."
 - Products that have earned the ENERGY STAR® are designed to protect the environment through energy efficiency.
-
- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.
-
- **ABOUT DIVX VIDEO:** DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.
 - **ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.





Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC outlet.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

1 Confirm the screws supplied with the TV.

Screws (× 8)

(used in step 2 and 3)

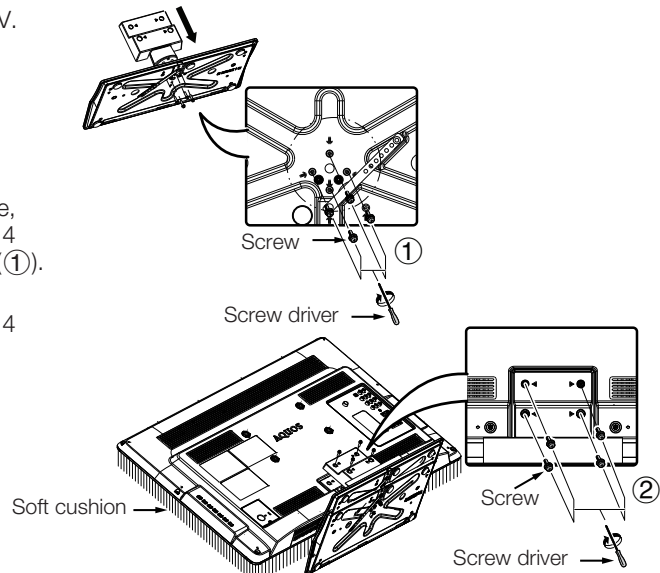


2 Attach the stand neck to the stand base, insert and tighten the 4 screws into the 4 holes on the bottom of the stand base (①).

3 Attach the stand neck to rear of the TV, insert and tighten the 4 screws into the 4 holes on the stand neck. (②)

NOTE

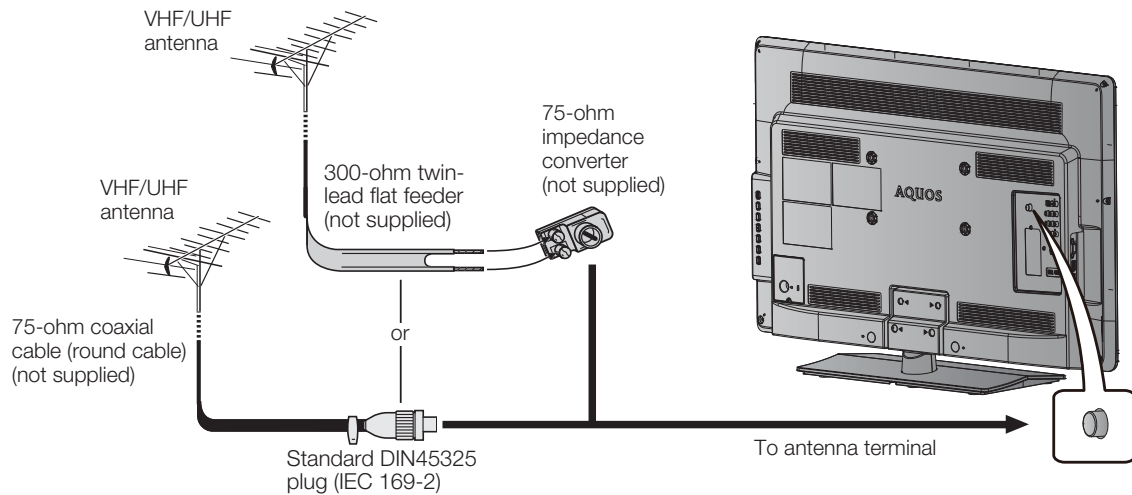
- To detach the stand, perform the steps in reverse order.



Setting the TV

Connecting the antenna cable

To enjoy a clearer picture, use an outdoor antenna.



If your outdoor antenna uses a 75-ohm coaxial cable with a standard DIN45325 plug (IEC 169-2), plug it into the antenna jack at the rear of the set.

If your outdoor antenna uses a 300-ohm twin-lead flat feeder, connect a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the set.

CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

• The illustrations used throughout this manual are based on LC-32LE430X.



Connecting external devices

You can connect many types of external equipment to your TV, like a VCR, game console, camcorder, DVD player, Digital TV STB (Set Top Box) and PC. To view external source images, select the input source from **INPUT** on the remote control unit or **INPUT** on the TV.

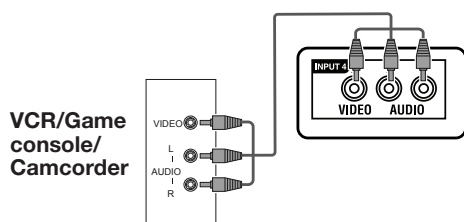
CAUTION

- To protect all equipment, always turn off the TV before connecting to a VCR, game console, camcorder, DVD player, Digital TV STB (Set Top Box), PC or other external equipment.
- Refer to the relevant operation manual (VCR, DVD player, etc.) carefully before making connections.

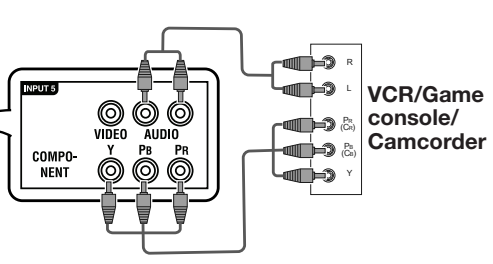
Connecting a VCR, game console or camcorder

A VCR, game console, camcorder and some other audiovisual equipment can be conveniently connected using the INPUT 4 or INPUT 5 terminals.

When using composite A/V cable (commercially available)



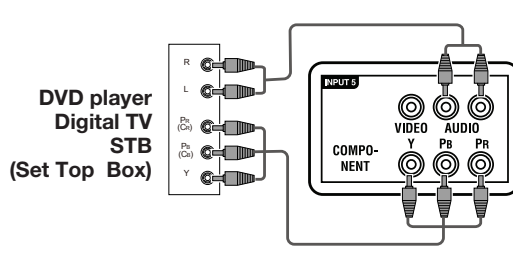
When using component cable (commercially available)



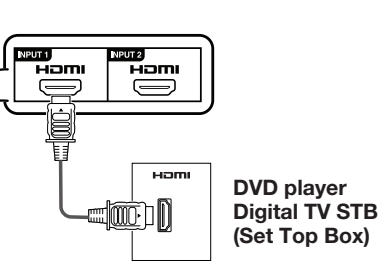
Connecting a DVD player/Digital TV STB (Set Top Box)

You can use the INPUT 1/INPUT 2/INPUT 3 (HDMI), INPUT 5 terminals when connecting to a DVD player/Digital TV STB (Set Top Box) and other audiovisual equipment.

When using component cable (commercially available)

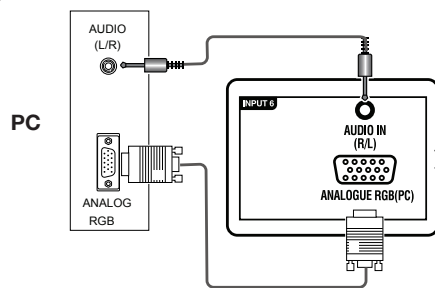


When using HDMI-certified cable (commercially available)



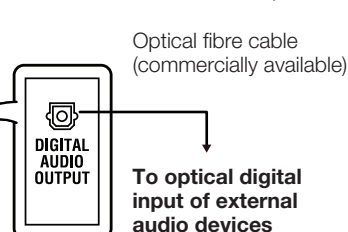
Connecting a PC

You can use the INPUT 6 (PC) terminals when connecting to a PC.



Using Digital Audio Output

It is possible to output audio through the DIGITAL AUDIO OUTPUT terminal. PCM audio outputs from the terminal.



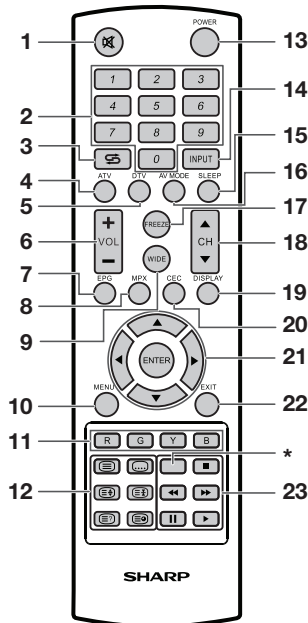
NOTE

- The DIGITAL AUDIO OUTPUT terminal usually outputs the same audio from the speakers. (The audio of the content you are viewing is output from the terminal.)
- The DIGITAL AUDIO OUTPUT terminal does not output some signals, depending on devices and software.
- The DIGITAL AUDIO OUTPUT terminal does not output any signal during HDMI digital input.

• The illustrations used throughout this manual are based on LC-32LE430X.



Remote control unit



- 1** **(Mute)**
Press → Mutes sound.
Press again → Restores sound.
- 2** **0 - 9**
Set the channel.
TELETEXT mode: Set the page. (See page 15.)
- 3** **(Flashback)**
Press to return to the previous selected channel or external input mode.
- 4** **ATV**
Press to access ATV mode. (See page 13.)
- 5** **DTV**
Press to access DTV mode. (See page 13.)
- 6** **VOL + /VOL -**
Set the volume.
(VOL +) Increase the volume.
(VOL -) Decrease the volume.
- 7** **EPG**
DTV mode: To display EPG (Electronic Programme Guide) screen. (See pages 14.)



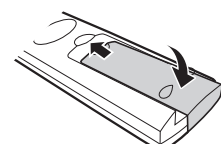
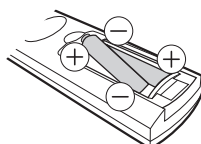
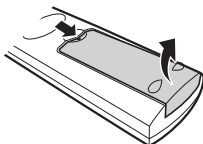
* This button does not work in this model.

- 8** **MPX**
Select the sound multiplex mode.
- 9** **WIDE**
Change the screen mode. (See page 10.)
- 10** **MENU**
Display the menu screen.
- 11** **Colour (Red/Green/Yellow/Blue)**
TELETEXT mode: Select a page. (See page 15.)
- 12** **(TELETEXT)**, **(Reveal hidden for TELETEXT)**, **(SUBTITLE for TELETEXT)**, **(Hold)**, **(Subpage)**, **(Top/Bottom/Full)**
Use for TELETEXT mode. (See page 15.)
- 13** **POWER (On/Off)**
To switch the power on and off. (See page 6.)
- 14** **INPUT (INPUT SOURCE)**
Select an input source.
- 15** **SLEEP**
Set the Sleep Timer.
Off → 10 Minutes → 20 Minutes → 30 Minutes → 40 Minutes
120 Minutes ← 90 Minutes ← 60 Minutes ← 50 Minutes
- 16** **AV MODE**
Select an audio and video setting. (See page 7.)
- 17** **FREEZE**
Freeze a motion picture on the screen.
• FREEZE does function for TV channel only.
- 18** **CH▲/CH▼**
TV input mode: Select the channel.
(CH▲) Increase the channel number.
(CH▼) Decrease the channel number.
TELETEXT mode: Select the page. (See page 15.)
- 19** **DISPLAY**
Display the channel or input information.
- 20** **CEC**
By connecting HDMI CEC compatible devices such as DVD player with HDMI-certified cables to the TV, you can control a device using the TV's remote control. (See page 18.)
- 21** **▲/▼/◀/▶ (Cursor)**
Select a desired item on the setting screen.
ENTER
Execute a command.
- 22** **EXIT**
Return to the default screen or the previous menu screen.
- 23** **▶/■/□/◀/▶**
Used for the HDMI external equipment with CEC control function and USB Media Player.

Inserting the batteries

Before using the TV for the first time, insert two "AAA" size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new "AAA" size batteries.

- 1** Open the battery cover.
- 2** Insert the two supplied "AAA" size batteries.
- 3** Close the battery cover.



- Place batteries with their terminals corresponding to the (+) and (-) indications in the battery compartment.

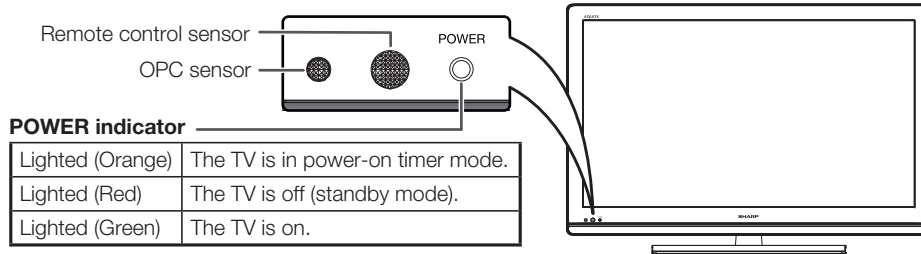


- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- If the remote control will not be used for a long time, remove the batteries.
- Do not subject the remote control unit to shock. In addition, do not soak the remote control unit with liquids or place it in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the unit.

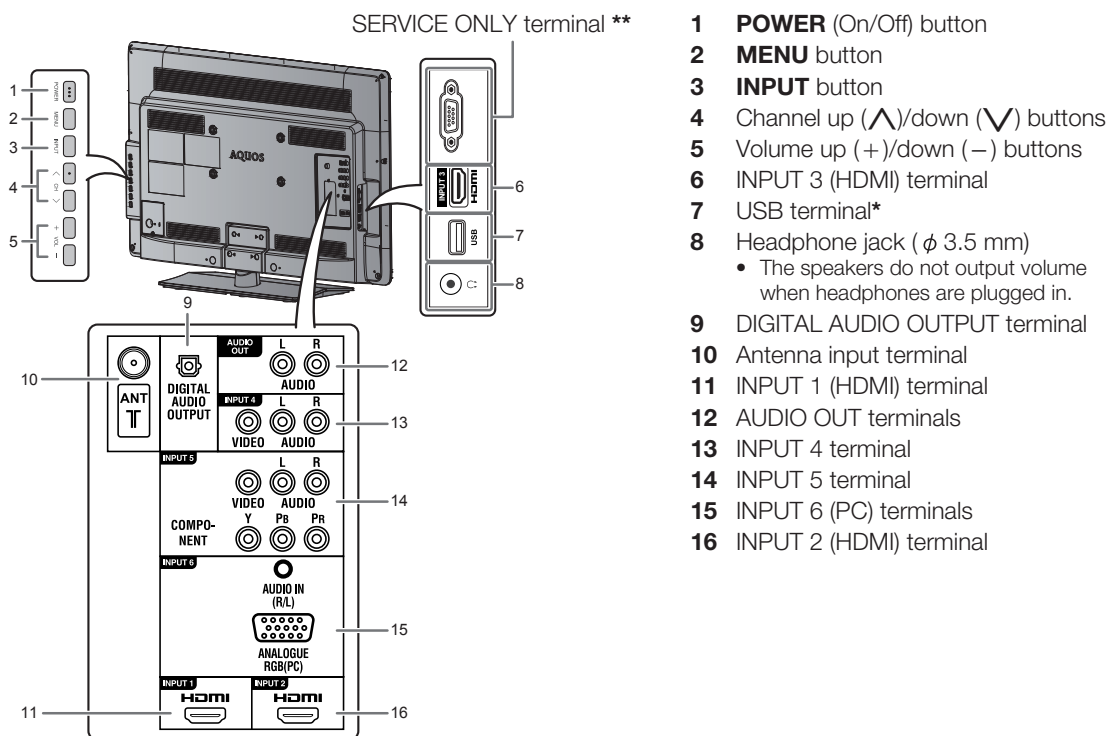


Part names

TV (Front)



TV (Rear)



* USB terminal use for USB Media Player. (See page 16.)

** Usually do not connect anything to this terminal as it is reserved only for service personnel.

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- The illustrations used throughout this manual are based on LC-32LE430X.

Turning the TV on/off

Turning on/off the power

- **To turn on the power**
Press **POWER**. (After a few seconds, an image appears with sound.)
- **To turn off the power**
Switch it off by pressing **POWER**.

NOTE

- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the AC outlet.
- Minor power is consumed when the unit is in standby mode.



Initial auto installation

When the TV powers on for the first time after purchase, the initial auto installation wizard appears. Follow the menus and make the necessary settings one after another.

- 1 Press **POWER** on the TV.
 - The initial auto installation wizard appears.
- 2 Press **▲/▼** to select the desired language, and then press **ENTER**.
- 3 Press **▲/▼** to select "HOME" or "STORE", and then press **ENTER**. Press **▲/▼** to select your county channels listed on the screen, and then press **ENTER**. Press **▲/▼** to select "ATV", "DTV" or "ATV&DTV", and then press **ENTER**. Press **▲/▼** to select "Scan" or "Skip Scan", and then press **ENTER**.
 - Sound system is selected when the signal search is set to "ATV" or "ATV&DTV" mode only.
 - If you select "Skip Scan", the channel scan could be performed in Menu.

NOTE

- HOME mode: Settings are optimised for normal home viewing and energy efficiency. You may alter these settings to your personal preferences by going to "Picture Mode" adjustments.
- STORE mode: Settings are designed for maximum impact in retail store displays.
- To change the STORE mode to HOME mode, please refer to page 12 to reset the unit.

Selecting a preset Picture Mode

"Picture Mode" gives you several viewing options to choose from to best match the system environment, which can vary due to factors like room-brightness, type of programme watched or the type of image input from external equipment.

- 1 Press **AV MODE**.
- 2 Each time you press **AV MODE**, the mode changes.
 - You can also switch the mode in the "Picture Mode" menu on the "Video" menu screen.

Selected item	Description
STANDARD	For a highly defined image in a normally bright room.
MOVIE	For a movie.
GAME	For game play.
USER	Allows the user to customise settings as desired. You can set the mode for each input source.
DYNAMIC	For a clear-cut image emphasising high contrast for sports viewing.

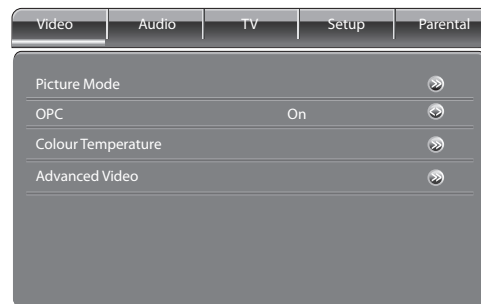
NOTE

- You can select a different Picture Mode item for each input mode. (For example, select STANDARD for TV input and DYNAMIC for VIDEO input.)
- You cannot select Picture Mode (**AV MODE**) for USB Media Player mode.

Menu operation

- 1 Press **MENU** and the MENU screen displays.
- 2 Press **◀/▶** to select the desired menu. (Video, Audio, TV, Setup, Parental)
- 3 Press **▲/▼** to select the desired menu item. Press **ENTER** to proceed if necessary.
- 4 Press **▲/▼** or **◀/▶** to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

Video menu



Picture Mode adjustments

Selected item	◀ button	▶ button
Back Light	The screen dims	The screen brightens
Brightness	For less brightness	For more brightness
Contrast	For less contrast	For more contrast
Saturation	For decrease saturation of colour	For increase saturation of colour
HUE	For decrease HUE of colour	For increase HUE of colour
Sharpness	For less sharpness	For more sharpness

NOTE

- For resetting all Picture Mode adjustment items to factory preset values, press **▲/▼** to select "Picture Reset", press **ENTER**, press **◀/▶** to select "OK", and then press **ENTER**.



Video menu (Continued)

■ OPC (Optical Picture Control) setting

You can set the TV to automatically adjust the screen to suitable backlight brightness according to the lighting conditions.

Selected item	Description
On	Automatically adjusts.
Off	The brightness is fixed at the value set in "Back Light".

NOTE

- Make sure no object obstructs the OPC sensor, which could affect its ability to sense surrounding light.

■ Colour Temperature

Adjusts the colour temperature to give the best white image.

Selected item	Description
Cool	White with bluish tone
Standard	↕
Warm	White with reddish tone
User	User can set according to their preference setting.

■ Advanced Video

DNR (Digital Noise Reduction)

Reduces noise on screen and produces a clearer video image. (Auto, Off, Low, Medium, Strong)

MPEG NR

Reduces picture noise in MPEG-compressed videos. (Off, Low, Medium, Strong)

Adaptive Luma Control

You can adjust luminance curve so that contrast can be enhanced. (Off, Low, Medium, Strong)

Flesh Tone

You can adjust skin colour based on skin tone preference. (Off, Low, Medium, High)

DI Film Mode

Automatically detects a film-based source (originally encoded at 24/25 frames/second, depending on the vertical frequency), analyses it then recreates each still film frame for high-definition picture quality. (Auto, Off)

Blue Stretch

When on, it will make picture more white. (On, Off)

Audio menu

Video	Audio	TV	Setup	Parental
Balance		0		
Bass		0		
Treble		0		
SRS TS HD	Off			
Equalizer	Off			
Digital Audio Output	PCM			
SPDIF	On			
Auto Volume Control	Off			

■ Audio adjustments

Selected item	◀ button	▶ button
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker
Bass	For weaker bass	For stronger bass
Treble	For weaker treble	For stronger treble

■ SRS TruSurround (TS) HD™

You can enjoy SRS TruSurround HD™ sound, the same as you were in movie theatre.

Using SRS TS HD on the menu screen

You can produce SRS TruSurround HD™ effects from the "Audio" setting.

Selected item	Description
On	SRS TruSurround HD™ creates a high quality surround sound experience, when watching DVD movies and TV programmes broadcast in surround sound.
Off	Outputs the normal sound.

■ Equalizer

According to program, changes the frequency response of an audio signal. (Off, Rock, Pop, Live, Dance, Techno, Classic, Soft)

■ Digital Audio Output

This function allow you to select your favourite audio output system.

Selected item	Description
Dolby Digital	Dolby Digital audio will be output when there is a Dolby Digital audio signal. The output will be in PCM when there is no Dolby Digital audio signal.
PCM	The optical output format is normally in PCM.

■ SPDIF

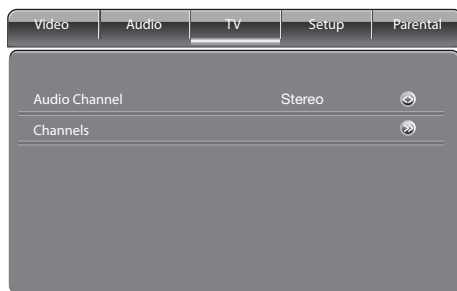
When on, you can output digital audio through the DIGITAL AUDIO OUTPUT terminal. (On, Off)

■ Auto Volume Control

Different sound sources, fairly often do not have the same volume level, for example the changing from movie to the advertisements. Auto Volume Control solves this problem and equalises the volume levels. (On, Off)



TV menu



Audio Channel (ATV only)

You can switch between multiple audio modes when watching a multiple audio or stereo broadcast programme. (Stereo, Dual1, Dual2, Mono)

Channels

Channel Scan

You can also automatically scan channel by performing the procedure below.

- 1 Go to "MENU" > "TV" > "Channels" > "Channel Scan", and then press **ENTER**.
- 2 Press **◀/▶** to select "Australia", "Singapore" or "IRAN" for your country channels.
- 3 Press **▲/▼** to select "TV System" (ATV only).
- 4 Press **◀/▶** to select the optimum TV systems (Broadcasting system) to receive. (Auto, B/G, A2 B/G, I, D/K, A2 D/K, A2 D/K1, A2 D/K2, M) (ATV only)
- 5 Press **ENTER**.
- 6 Press **◀/▶** to select "OK", and then press **ENTER**. Channel Scan will start. You do not need to do anything during the channel scan.

NOTE

- Check the TV System if the sound output is not correct.

Update Scan

You can add channel by performing Update Scan. Use this menu to add new services automatically after the initial auto installation has been completed.

- Start searching channels after selecting the colour system and sound system.

Analogue Manual Scan (ATV only)

You can adjust the frequency to your desired position.

Start Frequency (MHz)	Set by directly entering the frequency number of the channel with 0 - 9 on the remote control.
Scan Up	The higher frequency channel will be searched in order.
Scan Down	The lower frequency channel will be searched in order.

Single RF Scan (Digital only)

Select RF Channel that you want to scan by pressing **◀/▶**, then press **ENTER** to start scanning. When channel programmes are found, the Signal Level and Signal Quality will be displayed.

Channel Skip

Selected channels are passed over when using CH **▲/▼** even if selected while watching the image from the TV.

- 1 Go to "MENU" > "TV" > "Channels" > "Channel Skip", and then press **ENTER**.
- 2 Press **▲/▼** to select the channel you want to skip.
- 3 Press **ENTER**. When **✓** is displayed, the channel is set to SKIP.

Channel Sort

Channel position can be sorted freely.

- 1 Go to "MENU" > "TV" > "Channels" > "Channel Sort", and then press **ENTER**.
- 2 Press **▲/▼** to select the channel you want to move, and then press **ENTER**. **✓** will be displayed.
- 3 Press **▲/▼** to move it to the desired position, and then press **ENTER**.
- 4 Repeat the step 2 and 3 until all desired channels are sorted.

Channel Edit

When a TV channel sends its network name, the initial auto installation detects the information and assigns a name to it.

However, you can change individual channel names.

- 1 Go to "MENU" > "TV" > "Channels" > "Channel Edit", and then press **ENTER**.
- 2 Press **▲/▼** to select the desired channel you want to edit, and then press **ENTER**.
- 3 Press **▲/▼** to select "Channel Name", then select each character of the new name for the channel using keys as in the table below.

Press and continuously	Selectable character
1	A → B → C → 1 → A → - - -
2	D → E → F → 2 → D → - - -
3	G → H → I → 3 → G → - - -
4	J → K → L → 4 → J → - - -
5	M → N → O → 5 → M → - - -
6	P → Q → R → 6 → P → - - -
7	S → T → U → 7 → S → - - -
8	V → W → X → 8 → V → - - -
9	Y → Z → 9 → Y → - - -
0	+ → - - - • → 0 → + → - - -

NOTE

- If you want to delete a character, press **◀**.

- 4 Repeat until the name is fully spelt out.



TV menu (Continued)

Analogue Channel Fine Tune

You can adjust the frequency to your desired position.

- 1 Go to "MENU" > "TV" > "Channels" > "Analogue Channel Fine Tune", and then press **ENTER**.
- 2 Press **▲/▼** to select the channel you want to fine tune, and then press **ENTER**.
- 3 Adjust the frequency by pressing **◀/▶** while checking the background picture as a reference, and then press **ENTER** to set.

NOTE

- Analogue Channel Fine Tune is grayed out and unselectable in DTV mode.

Clear Channel List

Channel list will be reset to clear.

- 1 Go to "MENU" > "TV" > "Channels" > "Clear Channel List", and then press **ENTER**.
- 2 Press **◀/▶** to select "OK", and then press **ENTER**.

Colour System (ATV only)

You can change the colour system to one that is compatible with the image on the screen.

- 1 Go to "MENU" > "TV" > "Channels" > "Channel Scan", and then press **ENTER**.
- 2 Press **▲/▼** to select "Colour System".
- 3 Press **◀/▶** to select the optimum colour system to receive. (Auto, PAL, SECAM, NTSC3.58, NTSC4.43, PAL-60)
- 4 Press **ENTER**.
- 5 Press **◀/▶** to select "OK", and then press **ENTER**.

NOTE

- If "Auto" is selected, colour system for each channel is automatically set. If an image does not display clearly, select another colour system (e.g. PAL, NTSC4.43).

Setup menu

Video	Audio	TV	Setup	Parental
OSD Language	English			
Screen Mode	Normal			
PAP/PIP	Off			
DPMS	On			
Blue Mute	Off			
No signal off	Disable			
No operation off	30min.			
Time Setup				
Input Select	Auto			

NOTE

- The displayed menu items in Setup menu are different, depending on the input or signal source.

OSD Language

Select from among 4 languages: English, Simplified Chinese, Persian and Arabic.

Screen Mode

You can select different picture sizes that account for the kind of each picture.

- 1 Press **WIDE**.
 - The SCREEN MODE menu displays.
 - The menu lists the wide mode options selectable for the type of video signal currently received.
- 2 Press **WIDE** or **◀/▶** while the Screen Mode menu displays on the screen.
 - As you toggle down the options, each mode is immediately reflected on the TV.

Selected item	Description
Full	Full screen for both 4:3 and 16:9 pictures.
Normal	Available for 4:3 pictures only. A side bar appears on each side.
Panorama	In this mode the picture is progressively stretched toward each side of the screen.
Auto	Automatically adjusts the picture size.



4:3 picture on "Panorama"



4:3 picture on "Normal"

NOTE

- Some picture sizes may not be displayable depending on the input signal.

PAP/PIP

You can display dual pictures on the screen at one time. You can select either dual picture mode the "PAP" (Picture And Picture) or "PIP" (Picture In Picture).

DPMS (Display Power Management Signals)

You can set the TV to automatically power off when no image is displayed on PC. (On, Off)

If no signal inputs for approximately 40 seconds, the power off.

When you start using the PC and the signal inputs again, the TV turns on.



Setup menu (Continued)

■ Blue Mute

Automatically turns the screen blue if a broadcast signal is not received. (On, Off)

■ No signal off

You can set the TV to automatically power off in about 15 minutes after the TV goes into a state of receiving no programme signals, such as the end of a broadcast day. (Enable, Disable)

NOTE

- "Disable" is the factory preset value.
- When a TV programme finishes, and the TV receives signal input, this function may not operate.

■ No operation off

You can set the TV to automatically power off when no TV operation is performed for more than 3 hours. (30min., 3hr., Disable)

NOTE

- "Disable" is the factory preset value.

■ Time Setup

■ Time Zone

This function enables you to select your local time zone.

- This function lets you select the right time zone in case the time displayed in the EPG does not match the local time of your area.

■ Time

This is a real time clock and must be set before Power On Timer and Power Off Timer can be used.

Auto Synchronization

This real time clock is automatically synchronized with the time from Teletext. (On, Off)

- **Date** Set the current date. yyyy/mm/dd
- **Time** Set the current time. hh:mm:ss

Power On Timer

Automatically turns on the TV when preset time has been reached.

(On: Every day, Once: Once time, Off: no function)

- **Timer** Set the Power on time. hh:mm:ss
- **Power On Channel** Set the Power on Channel.

NOTE

- If CLOCK is not set, Power Off Timer cannot be set.
- If Power On Timer is set, power indicator will lights up Orange during power off (standby mode).

Power Off Timer

Automatically switch the TV to power off (standby mode) when preset time has been reached.

- **Timer** Set the Power off time. hh:mm:ss

NOTE

- If CLOCK is not set, Power Off Timer cannot be set.
- The Power Off Timer is cancelled if the power is turned off (standby mode).

■ Sleep Timer

This function is conveniently used when, for instance, going to bed while watching TV. (Off/10 Minutes/20 Minutes/30 Minutes/40 Minutes/50 Minutes/60 Minutes/90 Minutes/120 Minutes)

NOTE

- Select "Off" to cancel the Sleep Timer.

■ Auto Sleep

This function is to limit TV viewing time for children when View Timer has passed. (Off/1 hour/2 hours/5 hours)

■ Input Select

For setting the signal type of external equipment from INPUT 5. (Auto, AV, Component)

■ Subtitle

■ Analogue Subtitle

On: Turns on subtitle (if available).

Off: Turns off subtitle.

Mute: Turns on subtitle (if available) only when the TV is muted.

NOTE

- This setting is only effective when **MUTE** button is pressed. Pressing **VOL -** to level 0 does not work the same way.

■ Digital Subtitle Lang./ Digital Subtitle Lang. 2nd

Set up to two preferred multi Digital Subtitle languages to display when the broadcast contains subtitle information.

■ Subtitle Type

You can display subtitles for the hearing impaired in the Teletext broadcast if the subtitle languages are available.

NOTE

- If subtitles for the selected language are not included in a received broadcast, subtitles will not be shown for that language.

■ Teletext

■ Digital Teletext Language

Select digital teletext language. (The languages that can be displayed depend on the broadcaster)

■ Decoding Page Language

Select from among 6 kinds of language for decoding the analogue teletext page: WEST EUR, EAST EUR, Arabic, Farsi, Greek-Turkish, Cyrillic. (The language that can be displayed depend on the broadcaster)

■ TTX Presentation Level

Select the teletext presentation level.

NOTE

- Teletext can display only when it is sent by a network. Not used to convert between languages.

■ DivX(R) Reg. Code

■ VOD Code

You need to visit the DivX main page to register your TV. Please follow the online instruction to create DivX account and DivX registration video download. Your registration is complete when you play the DivX registration video on TV.

■ Deactive VOD Code

You can find the deregistration code (8~10 digit). Please use this code to deactivate on DivX website.

NOTE

- Visit <http://vod.divx.com> for more information about DivX® VOD.



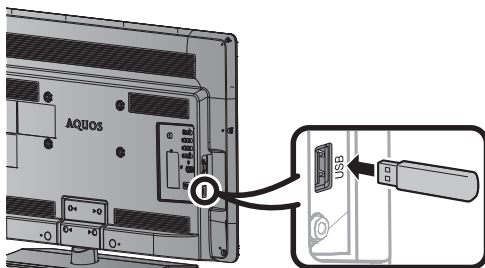
Setup menu (Continued)

Version Up

This function allows you to update to the latest software using a USB device. You must update the software through the USB terminal.

1 Insert the USB device containing the software update file, and the TV will switch to USB input automatically.

2 Press **INPUT** to switch to other input, go to "Menu" > "Setup" > "Version Up", and then press **ENTER**.



3 The TV displays a confirmation screen while checking the data in the inserted USB device.

CAUTION

- If the data is not compatible with the system, an error message appears on the screen. Repeat steps 1 to 3 after pressing **ENTER**.
- When an error message displays, check to see if:
 - The USB device is inserted firmly.
 - The USB memory has two or more software update files.
 - No data for updating the system exists in the USB memory.
 - The software update file is broken.
 - The software update file is not compatible with your TV's software.
 - The current system is same as the system update data.

4 The TV displays the software version information after checking the data.

5 Press **▲/▼** to select "Yes" to update the system, and then press **ENTER**.

6 The update starts automatically. When the update is completed, remove the USB device, and then turn the TV off and on again to activate the new firmware.

- This operation may take a while.

OAD (Over Air Download)

Manual OAD Download

Use this function to scan for available version update software and follow the on-screen instructions to complete the update.

Auto Download

When set to "YES", the TV can automatically download the data for the version update file (if available) over digital broadcasts.

Auto Install

When set to "YES", the TV can automatically download the data for the version update file (if available) and complete version update over digital broadcasts.

CAUTION

- Do not disconnect the AC cord when the software upgrade is in progress, as this may cause the upgrade to fail. If problem arises ask a qualified service personnel before the software upgrade period expires.

Version Info

You can check the current version of the software on the screen.

Reset Default

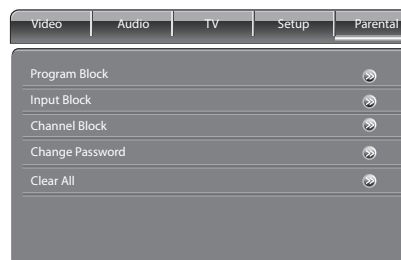
If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

NOTE

- If you execute "Reset Default", all settings except "Parental" menu setting will be reset to factory preset values.

Parental menu

Preventing children from watching TV, certain channels or playing game.



Password

Enter a four-digit password number to use the "Parental" function.

1 Press **MENU**.

2 Press **◀/▶** to select "Parental".

3 Press **ENTER**.

4 When using the Parental menu for the first time after purchase, enter "0000" using **0** numeric button. Enter the four-digit number as a password using **0—9** numeric buttons.

Program Block

This function allows TV channels to be restricted. It prevents children from watching violent or sexual scenes that may be considered inappropriate.

When the country setting is set to "Australia".

Selected item	Description
Block G and above	Content is not offensive to most viewers.
Block PG and above	Content is such that parents may not want their children to view the programme.
Block M and above	Mature audience only. This programme is specifically designed to be viewed by adults and therefore may be unsuitable for children under 15.
Block MA and above	Mature adult only. Mature audience only. This programme is specifically designed to be viewed by adults and therefore may be unsuitable for children under 15.
Block AV and above	Not for children under age 15. Strong elements of sex and/or violence.



Parental menu (Continued)

Selected item	Description
Block R and above	Not for children under age 18. Strong elements of sex and/or violence.
Block All	Block programmes of all ratings. (However, if a programme is not rated, it will not be blocked.)
No block	Cancel the blocking.

When the country setting is set to "Singapore".

4	Block 4 age and below
5	Block 5 age and below
6	Block 6 age and below
7	Block 7 age and below
16	Block 16 age and below
17	Block 17 age and below
18	Block 18 age and below
None	No block

Input Block

You can block the viewing of TV and any input source.

- Press ▲/▼ to select "Input Block", and then press **ENTER**.
- Press ▲/▼ to select the TV or any input source you want to block, and then press **ENTER**.
 - When  is displayed, the TV or the input source is set to block.

Channel Block

You can block the viewing of any channel.

- Press ▲/▼ to select "Channel Block", and then press **ENTER**.
- Press ▲/▼ to select the channel you want to block, and then press **ENTER**.
 - When  is displayed, the channel is set to block.
 - After Channel Block is set, the TV must be turned off and then on again for the setting to be effective.

NOTE

- If "Parental" block is set to block () for a channel or input source, "Channel Locked !" or "Input Locked !" will be displayed when you select the channel or input source, and the image and sound of the channel is blocked.
- To view a locked channel or any input source, you must enter the password.
- While "Channel Locked !" or "Input Locked !" is displayed, press **ENTER** to display the password input window. Inputting the correct password lifts the "Parental" block temporarily until the power is turned off.

Change Password

Register a four-digit password number to use the "Password" function.

- Press ▲/▼ to select "Change Password", and then press **ENTER**.
- Enter the four-digit number as a password using **0–9** numeric buttons.

- Enter the same four-digit number as in step 2 to confirm.

Clear All

If complex adjustments are made and the settings cannot be restored to normal, you can reset "Parental" menu settings to the factory preset values.

NOTE

- If you forget your password, enter "5351" using **0–9** numeric buttons, and then set a new password.
- If "Parental" Input Block is set to block () for USB source, "Input Locked!" will be displayed when you select the USB source. You cannot cancel by entering password. If you want to cancel block for USB source, press **INPUT** to select another input source, and set to cancel block for USB source in "Input Block" menu.

ATV (Analogue)/DTV buttons

Use the following buttons on the remote control to operate the menu.

ATV: Press to switch to ATV mode. After switching from DTV or external input mode to ATV mode, the TV jumps to the most recently viewed ATV channel.

DTV: Press to switch to DTV mode. After switching from ATV or external input mode to DTV mode, the TV jumps to the most recently viewed DTV channel.



EPG

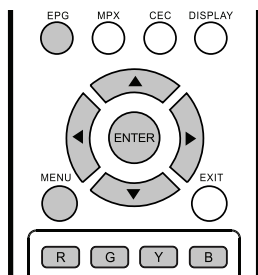
What is EPG?

An "EPG (Electronic Programme Guide)" is a programme schedule, which is displayed on the TV screen. The EPG is broadcasted together with DTV. The TV screen shows the EPG when the viewer presses **EPG** on the remote control, provided that the TV is receiving the digital broadcasting signal. The EPG enables you to search for a programme and view the programme schedule in detail.

Basic Operation

■ Display the EPG screen

- ① Press **EPG**.



- ② Press **◀/▶/R/G** to select the time span you want to search.

- Continue to press **▶** to display programmes in the next time span.

- ③ Press **▲/▼** to select the desired programme.

NOTE

- The description of the selected programme will be displayed below the list. If the description contains more than one page, press **Y** to view more details.

■ Close the EPG screen

- ④ Press **EPG** again or **MENU** to exit.

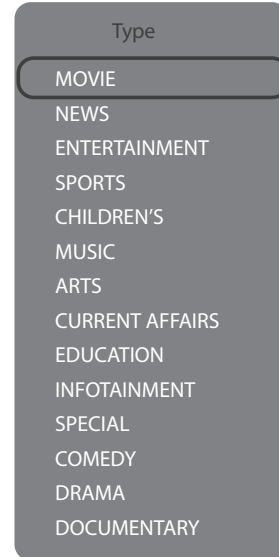
NOTE

- For "New Zealand delivery model", the EPG screen and operation differ due to the use of MHEG EPG. The EPG screen and operation vary depending on the broadcasts.

Using the type filter

You can use the type filter to select your preferred programme type and have them listed together on the programme list.

- 1 Press **EPG**.
- 2 Press **B** to open the type filter list.
- 3 Press **▲/▼** to highlight multiple programme types, and press **ENTER** to select them. A check mark will be displayed.



- 4 Press **B** to close the type filter list and view the programme list of selected types.

NOTE

- For "New Zealand delivery model", the displayed type list is different.



Teletext function

What is Teletext?

Teletext broadcasts pages of information and entertainment to specially equipped television sets. News, weather reports, sports information, stock exchange prices and programme previews are among the many services available.

Turning on and off Teletext

- 1** Select a TV channel or external input source providing the Teletext programme.
- 2** Press  to display the Teletext.
- 3** Each time you press , the screen switches as shown below.



NOTE

- If you select a programme with no Teletext signal, "No Teletext available." is displayed.

Button functions

Buttons	Description
CH (▲/▼)	Increase or decrease the page number.
Colour (Red/Green/Yellow/Blue)	You can select a group or block of pages displayed in the coloured brackets at the bottom of the screen by pressing the corresponding Colour (Red/Green/Yellow/Blue) on the remote control unit.
0 – 9	Directly select any page from 100 to 899 by using 0 – 9 .
 (Top/Bottom/Full)	Switch the Teletext image to Top, Bottom or Full.
 (Reveal hidden TELETEXT)	To reveal hidden information such as an answer to a quiz.
 (Hold)	To stop updating Teletext pages automatically or release the hold mode.
 (Subtitle for TELETEXT)	Display the subtitle during Teletext page. Subtitle will not be displayed when the service does not contain subtitle information.
 (Subpage)	Display the subpage during Teletext page.

PC compatibility chart

	Resolution	Horizontal Frequency	Vertical Frequency	VESA Standard
VGA	720 × 400	31.5 kHz	70 Hz	
	640 × 480	31.5 kHz	60 Hz	✓
SVGA	800 × 600	37.9 kHz	60 Hz	✓
XGA	1024 × 768	48.4 kHz	60 Hz	✓
WXGA	1360 × 768	47.7 kHz	60 Hz	✓
SXGA	1280 × 1024	64.0 kHz	60 Hz	* ✓
SXGA+	1400 × 1050	65.3 kHz	60 Hz	* ✓

* : for LC-24LE430X

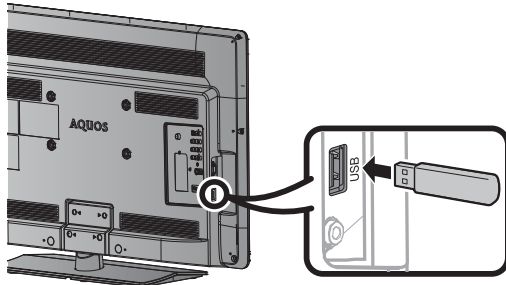
VGA and XGA are registered trademarks of International Business Machines Corp.



USB Media Player

Connecting a USB device

Connect a USB device to the TV as shown below.



- The TV automatically switches to the USB mode when a USB device is inserted in the USB terminal.
- Depending on the USB device, the TV may not be able to recognise the contained data.
- File names with many characters (may vary depending on character set) may not be displayed.
- Do not disconnect a USB device or memory card from the TV while transferring files, when a screen is switching to another or before you exit "USB" mode.
- Do not connect and disconnect a USB device from the TV repeatedly.

• The illustrations used throughout this manual are based on LC-32LE430X.

CAUTION

- Do not use a USB extension cable when connecting a USB device to the USB terminal of the TV.
- Using a USB extension cable may prevent the TV from performing correctly.

USB media

Press **INPUT** to select the "USB" mode or the TV automatically switches to the USB mode when a USB device is connected to the TV.

USB media

In this mode, you can enjoy viewing photos, listening to music and watching videos from external USB devices.

NOTE

- You cannot enter the USB mode when there is no USB device.
- "Screen Mode" is fixed during "Photo", "Music" and "Video".

List of files compatible with USB mode

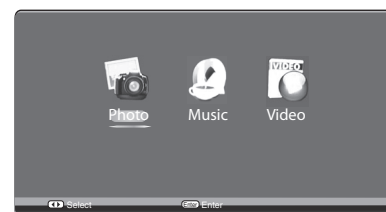
USB device	USB Memory, USB card reader (Mass Storage class)
File system	FAT/FAT32/NTFS
Photo file format	JPEG (.jpg) (DCF2.0 compliant)
Music file format	MP3 (.mp3) Bit rate: 32 k, 40 k, 48 k, 56 k, 64 k, 80 k, 96 k, 112 k, 128 k, 160 k, 192 k, 224 k, 256 k, 320 kbps Sampling frequency: 32 k, 44.1 k, 48 kHz

Video file format		
File extension	Container	Video
*.avi	AVI	DivX 3.11/4/4.12/5.x MPEG4 MPEG2 Xvid H.264
*.mkv	MKV	MPEG4 Xvid H.264
*.mp4	MP4	MPEG4 Xvid H.264
*.vob	VOB	MPEG2 MPEG1
*.mpg/*mpeg	PS	MPEG2 MPEG1
*.rmvb/*mv	RM	RM codec
*.ts/*trp/*tp	TS	MPEG2 H.264
*.divx	DivX	DivX 3.11/4/4.12/5.x
*.dat	DAT	MPEG2 MPEG1

NOTE

- Progressive format jpeg files are not supported.
- Files in some USB version devices may not be played properly.
- Operation using USB hubs is not guaranteed.
- The compatibility of USB HDDs may not be guaranteed.
- Some video file formats may not be played depending on the file.
- Files may not be playable depending on the bitrate.

Selecting modes



- 1 Press **◀▶** to select among "Photo", "Music" and "Video".
- 2 Press **ENTER**.



USB Media Player (Continued)

Video mode

- 1 Press **◀▶** to select "Video", and then press **ENTER**.
- 2 Press **▲/▼/◀▶** to select the desired video, and then press **ENTER**.



Press **MENU** to display the video menu.

Menu	Description
Pause/Play	Pause/Play the video.
Repeat	Repeat video playback.
Show Info	Show video information.
Picture Mode	Select the Picture Mode.
Screen Mode	Select the Screen Mode.

Buttons	Description
	Show Subtitle. (Some video files may not show subtitle)

Music mode



- 1 Press **◀▶** to select "Music", and then press **ENTER**.
- 2 Press **▲/▼/◀▶** to select the desired music, and then press **ENTER**.

Press **MENU** to display the music menu.

Menu	Description
Pause/Play	Pause/Play the music.
Repeat	Repeat music playback.
Shuffle Off/On	Play music randomly.
Show Info	Show music information.
Hide/Show Spectrum	Show music spectrum.
Audio Only	Set the display off and enjoy audio only.

Video mode/Music mode

Buttons	Description
II/▶	Pause/Play back.
■	Stop operation.
▶▶	Fast forward operation.
◀◀	Rewind operation.
◀◀▶▶	Select the previous file.
▶▶◀◀	Select the next file.

Photo mode

■ Viewing thumbnails



- 1 Press **◀▶** to select "Photo", and then press **ENTER**.
- 2 Press **▲/▼/◀▶** to select the desired photo, and then press **ENTER**.

Press **MENU** to display the photo menu.

Menu	Description
Play/Pause	Start/Pause slide show.
Repeat	Repeat slide show playback.
Shuffle	Show photo randomly during slide show.
Rotate	Rotate the photo by 90 degrees on paused slide show.
Zoom	Zoom in the photo (1X, 2X, 4X).
Duration	Select slide show interval.
Effect	Select slide show effect.
Show Info	Show file information.

Buttons	Description
II/▶	Pause/Start slide show.
◀◀▶▶	Select the previous slide.
▶▶◀◀	Select the next slide.

NOTE

- You cannot select Picture Mode (**AV MODE**) for USB Media Player mode.



Controlling HDMI devices

This system is using the HDMI CEC (Consumer Electronics Control) technology.

What you can do with CEC capable using HDMI devices

✓ One Touch Play

While the TV is in power on, it automatically plays back the image from the HDMI source.

While the TV is in power off (standby mode), it automatically turns on and it plays back the image from the HDMI source.

✓ Single remote control operation

The TV automatically recognizes the connected HDMI device and you can control the TV and the devices as if using a universal remote control.

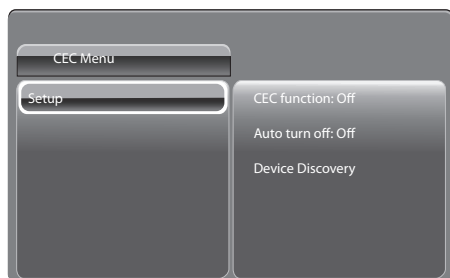
NOTE

- Point the remote control toward the TV, not to the connected HDMI device.
- Video noise may occur depending on the type of HDMI cable used. Make sure to use a certified HDMI cable.
- These operations affect the HDMI device selected as the current input source. If the device does not operate, turn on the device and select the appropriate input source using **INPUT**.
- When you insert/remove HDMI cables or change connections, turn on all connected HDMI devices before turning on the TV. Confirm that picture and audio are correctly output by selecting "INPUT1", "INPUT2" or "INPUT3" from the INPUT SOURCE menu.

CEC function

If this function is activated, you can operate the HDMI CEC compatible devices using the TV's remote control.

- 1 Press **CEC** and the CEC Menu screen displays.



- 2 Press **▲/▼/◀▶** to select "CEC function".

- 3 Press **ENTER** to select "On" or "Off".

NOTE

Buttons	Description
▶	Start playback.
	Pause operation.
▶▶	Fast forward operation.
◀◀	Rewind operation.
■	Stop operation.

Auto turn off

If this is activated, the HDMI device turns off automatically when the TV is turned off.

- 1 Press **CEC** and the CEC Menu screen displays.
- 2 Press **▲/▼/◀▶** to select "Auto turn off".
- 3 Press **ENTER** to select "On" or "Off".

Device Discovery

When you insert/remove HDMI cables or change connections, you may not be able to operate HDMI devices.

Then you can set to find the HDMI CEC compatible devices.

- 1 Turn on all connected HDMI devices before turning on the TV.
- 2 Press **CEC** and the CEC Menu screen displays.
- 3 Press **▲/▼/◀▶** to select "Device Discovery".
- 4 Press **ENTER** to start Device Discovery function.



Appendix

Troubleshooting

The problems described below are not always caused by malfunctions. Check the TV again before having the TV serviced.

Problem	Possible Solution
• No power.	• When the POWER switch does not work, remove the power plug and insert it again, and then press POWER on the TV after waiting for more than five seconds. • Is the AC cord disconnected? • Has the power been turned on? (See page 6.)
• Unit cannot be operated.	• External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the unit after first turning the power off the TV or unplugging the AC cord and re-plugging it in after 1 or 2 minutes.
• Remote control unit does not operate.	• Are batteries inserted with polarity (+, -) aligned? (See page 5.) • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light shining on the remote control sensor?
• Picture is cut off.	• Are screen mode adjustments such as picture size made correctly? (See page 10.)
• Strange colour, light colour, or dark, or colour misalignment.	• Adjust the picture tone. (See page 8.) • Is the room too bright? The picture may look dark in a room that is too bright. • Check the colour system setting. (See page 10.)
• Power is suddenly turned off.	• The unit's internal temperature has increased. Remove any objects blocking the vent or clean. • Check the Setup setting. (See page 10.) • Is the sleep timer set? (See page 5.)
• No picture.	• Is the connection to external equipment correct? (See page 4.) • Is the Picture Mode adjustment correct? (See page 7.) • Is the antenna connected properly? (See page 3.)
• No sound.	• Is the volume too low? (See page 5.)
• The TV sometimes makes a cracking sound.	• This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance.

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
 - Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
- Storage temperature: -20°C to +60°C.



Specifications

Item			Model	LC-24LE430X	LC-32LE430X
LCD panel with LED backlight				23.6" (599 mm) TFT LCD	31.5" (800 mm) Advanced Super View & BLACK TFT LCD
Resolution				2,073,600 pixels (1920 × 1080)	1,049,088 pixels (1366 × 768)
Video Colour System				PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	TV-Standard	Analogue	PAL: B/G, D/K, I SECAM: B/G, D/K, K/K _i		
		Digital	DVB-T		
	Receiving Channel	VHF/UHF	43.25 — 863.25 MHz		
		CATV	S1 — S41ch (including Hyperband)		
STEREO/BILINGUAL		NICAM: B/G, I, D/K A2 stereo: B/G			
Viewing angles				H : 176° V : 176°	
Audio amplifier				10 W × 2	
Speakers				33.8 mm × 167.5 mm 2pcs	
Terminals	Antenna input		UHF/VHF 75 Ω IEC type		
	INPUT 1		HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz)		
	INPUT 2		HDMI (HDMI input) (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz)		
	INPUT 3				
	INPUT 4		VIDEO in, AUDIO in		
	INPUT 5		VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz)		
	INPUT 6		15 pin mini D-sub, AUDIO in (ϕ 3.5 mm jack)		
	USB		USB for multimedia player function (photo, music and video)		
	RS-232C		9 pin D-sub male connector		
	SPDIF		Optical Digital Audio output		
	Headphone		Audio out (ϕ 3.5 mm jack)		
	Line-out		Audio out (RCA jack × 2)		
OSD language				English/Simplified Chinese/Persian/Arabic	
Power Requirement				AC 110 — 240 V, 50/60 Hz	
Power Consumption				37 W (0.5 W Standby)	66 W (0.5 W Standby)
Dimensions	without stand (mm)		579.7 (W) × 375 (H) × 55 (D)		768.8 (W) × 488.5 (H) × 67.8 (D)
	with stand (mm)		579.7 (W) × 408.1 (H) × 179 (D)		768.8 (W) × 533.5 (H) × 208 (D)
Weight without stand (with stand)				6 kg (6.6 kg)	8.9 kg (10.5 kg)
Operating Temperature				0°C — 40°C	

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

CAUTION

- Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.
- Carefully read the instructions that come with the bracket before beginning work.

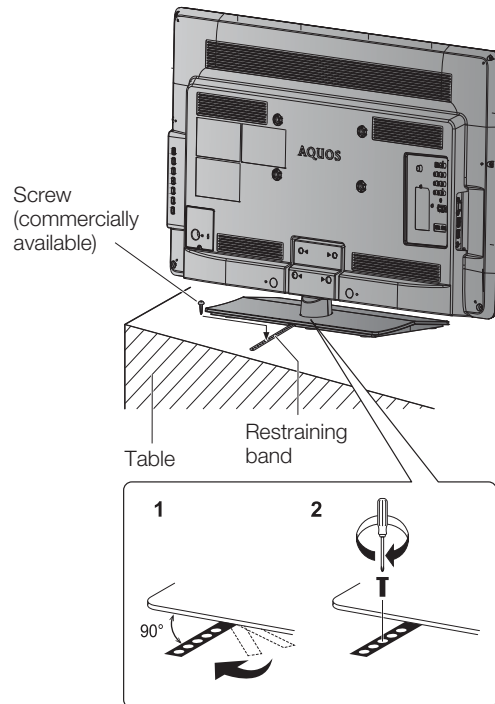


Protection against overturning

There is a danger of the product overturning in the case of a disaster or sudden collision. Carry out the following tip-resistant measurement for your safety.

Fixing the TV to the table

- 1** Rotate the restraining band out from the bottom of the TV stand.
The band should be aligned flat on the table and perpendicular to the stand.
- 2** Fix the TV to the table by a screw (commercially available).
Use the screw of M4 x L12 (min), whose shape is compatible with the band.



CAUTION

- As this product is heavy, use a table that is wide enough to support the product and capable of withstanding the product's weight. The table should be set where it will not be overturned.



Memo





Memo





Memo





SHARP

FOR LOCATION ENQUIRIES WITHIN

AUSTRALIA

REGARDING YOUR LOCAL

SHARP APPROVED SERVICE CENTRE

VISIT OUR WEBSITE AT

www.sharp.net.au

OR CALL SHARP CUSTOMER CARE

1300 135 022

(LOCAL CALL COST APPLY WITHIN AUSTRALIA)

SHARP CORPORATION OF AUSTRALIA PTY LTD

SHARP

FOR LOCATION ENQUIRIES WITHIN

NEW ZEALAND

REGARDING YOUR LOCAL

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OR CALL

SHARP CUSTOMER SERVICES

TELEPHONE: 09 573 0111

FACSIMILE: 09 573 0113

SHARP CORPORATION OF NEW ZEALAND LIMITED

SPform019(JUNE 2004)





SHARP

WARRANTY

Consumer Electronic Products

Congratulations on Your Purchase!

This Sharp product is warranted against faults in materials and manufacture for a period of twelve (12) months from the date of original purchase.

If service is required during the warranty period, please contact your nearest Sharp Approved Service Centre. These repairs would be carried out at no charge to the owner, subject to the conditions specified herein.

The owner is responsible for any transportation and insurance costs if the product has to be returned for repair.

This warranty does not extend to accessories or defects or injuries caused by or resulting from causes not attributable to faulty parts or the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage, improper voltage, liquid spillage, vermin infestation, software, or any alterations made to the product which are not authorised by Sharp.

Please retain your sales documentation, as this should be produced to validate a warranty claim.

This warranty is in addition to and in no way limits, varies or excludes any express and implied rights and remedies under any relevant legislation in the country of sale.

IMPORTANT

DO NOT RETURN THIS DOCUMENT TO SHARP

For your reference, please enter the particulars of your purchase below and retain, with your purchase documentation.

Model No. _____

Serial No. _____

Date of Purchase _____

Retailer _____

SHARP

SHARP CORPORATION OF
AUSTRALIA PTY. LIMITED
ABN 40 063 036 405
1 Huntingwood Drive
Huntingwood NSW2148

SHARP CORPORATION OF
NEW ZEALAND LIMITED
59 Hugo Johnston Drive
Penrose Auckland

SPform030 (JUNE 2004)

IMPORTANT NOTICE: This warranty applies only to products sold in Australia & New Zealand

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